

Lawrence Berkeley National Laboratory

# BioEPIC Environmental Planning & Review Process

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For Berkeley Lab CAG Meeting

September 2019

# Environmental Planning

## Site and Environmental Planning

# Environmental Planning: Siting

- **Central, developed location**
- **Insulated from neighbors**
- **“Brownfield” redevelopment site**
- **Proximity to transit, utilities, services**



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# Environmental Planning: Siting

## Land Use Compatibility and Scale

# Siting Considerations

## Bayview Planning Area

- Existing setting + project
- Land use compatibility
- Historic scale
- Planning scale
- Project scale



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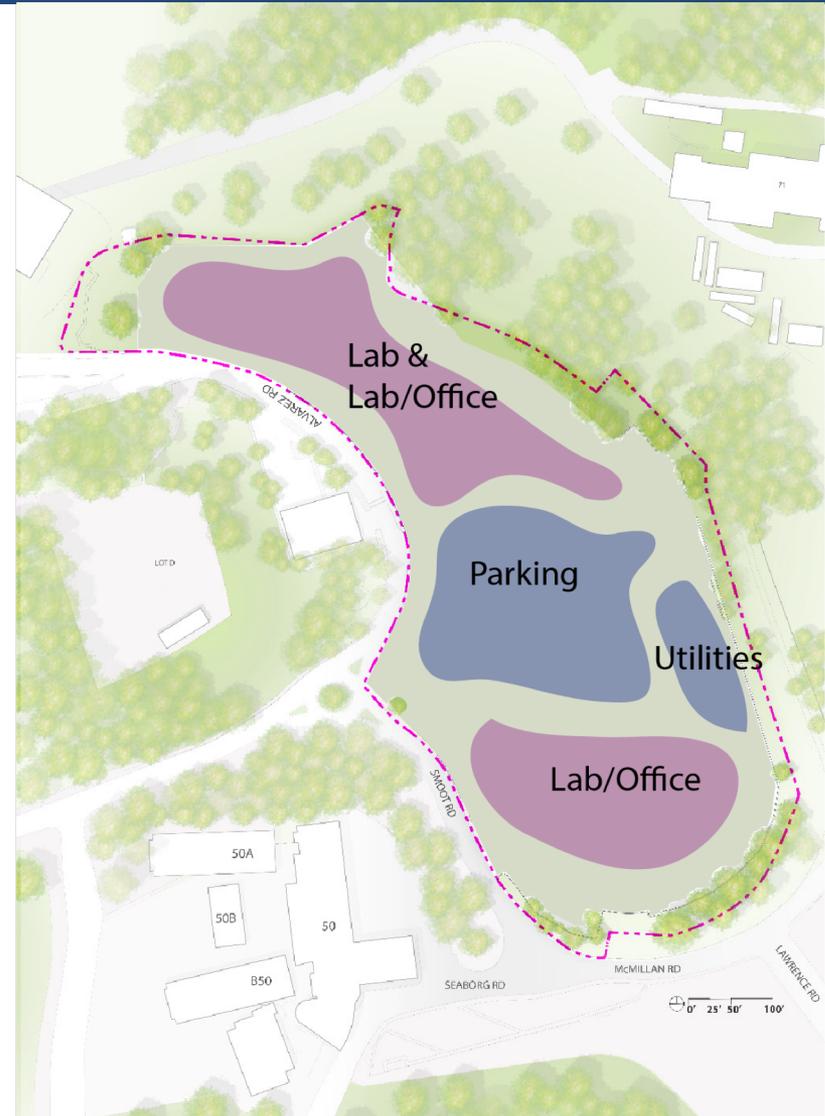
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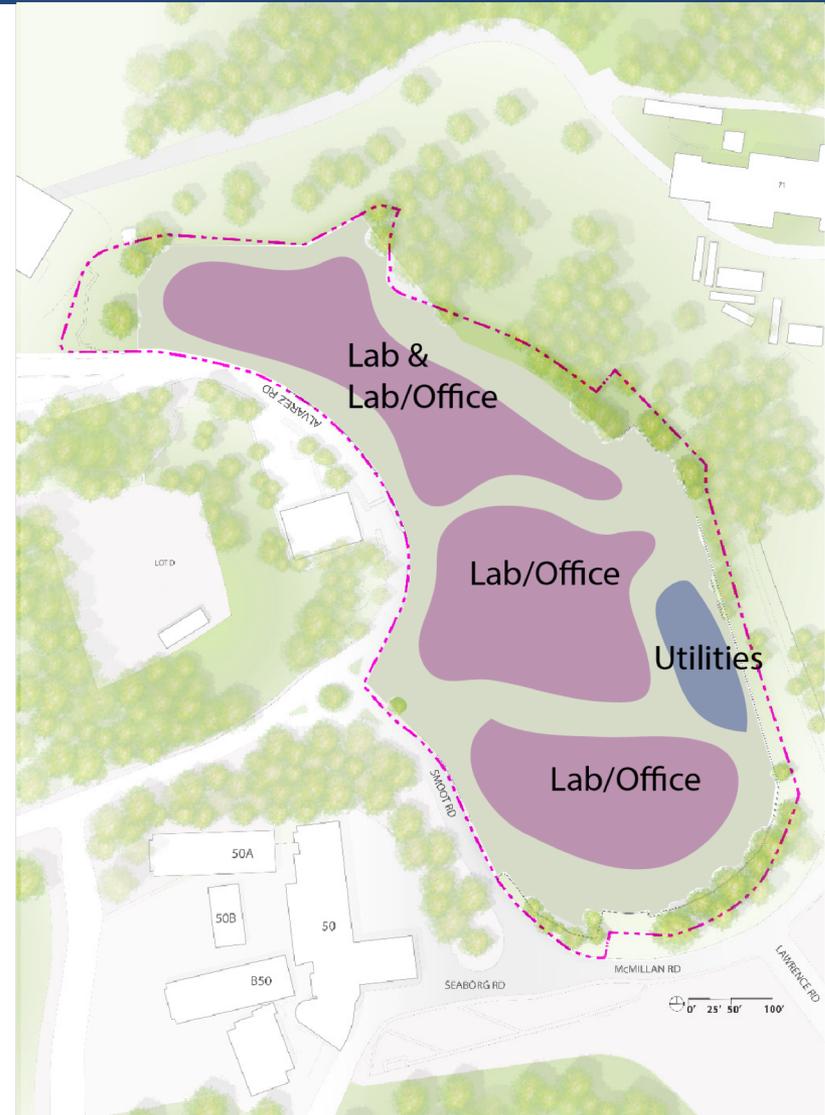
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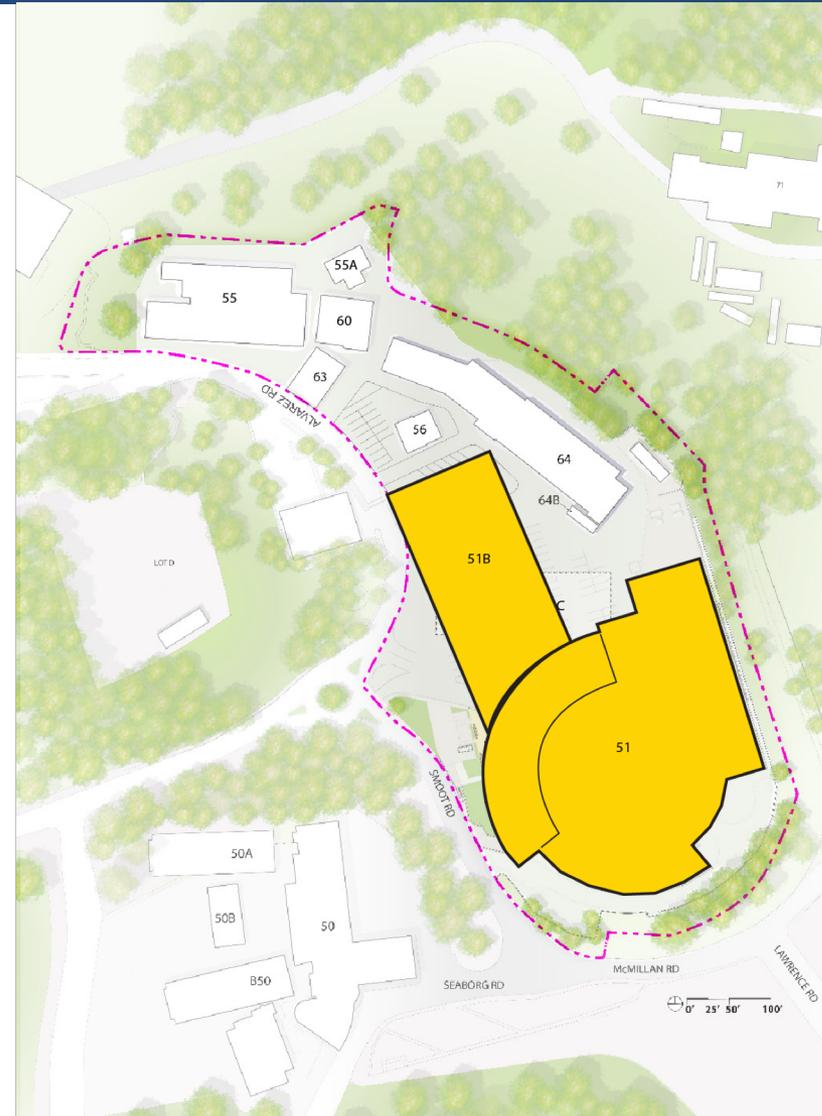
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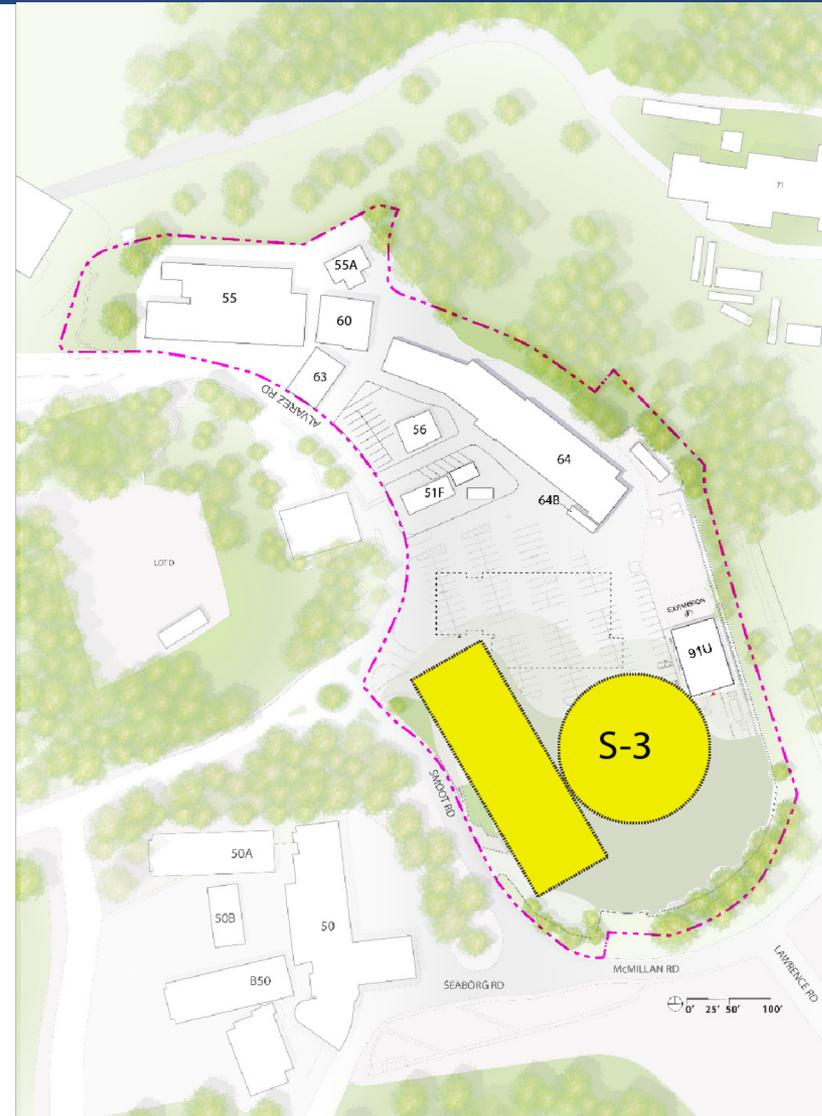
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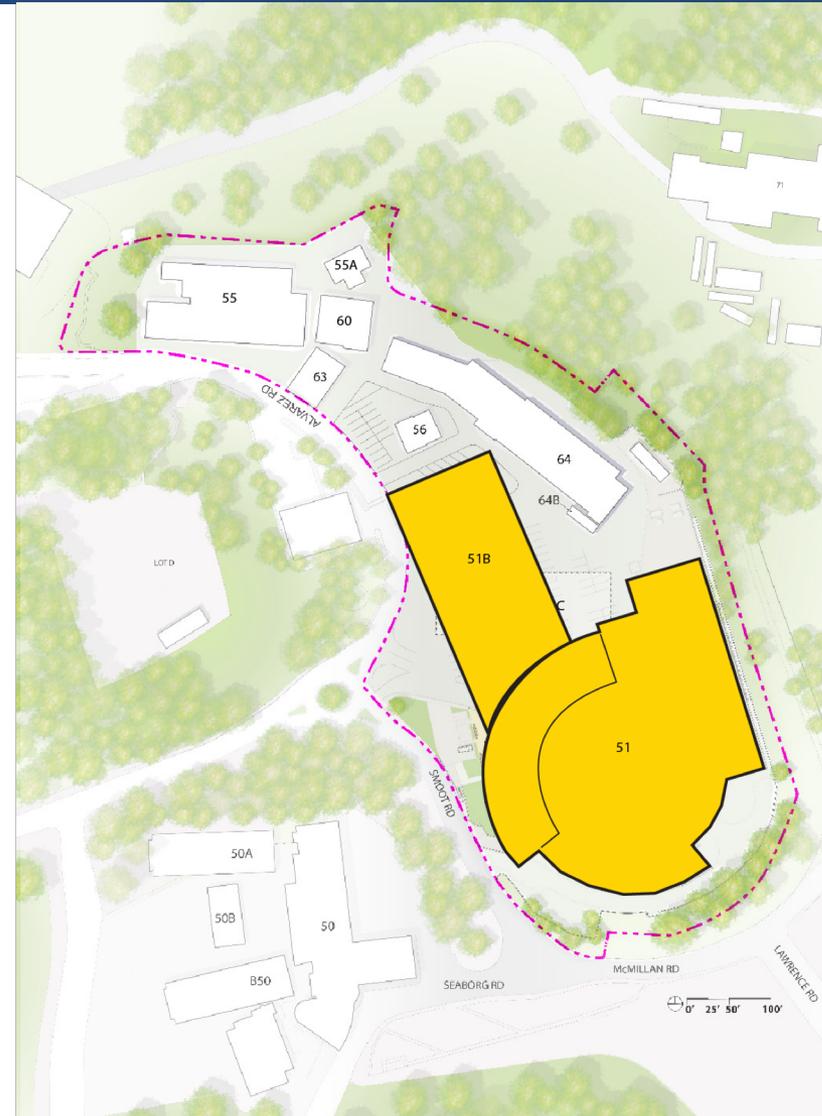
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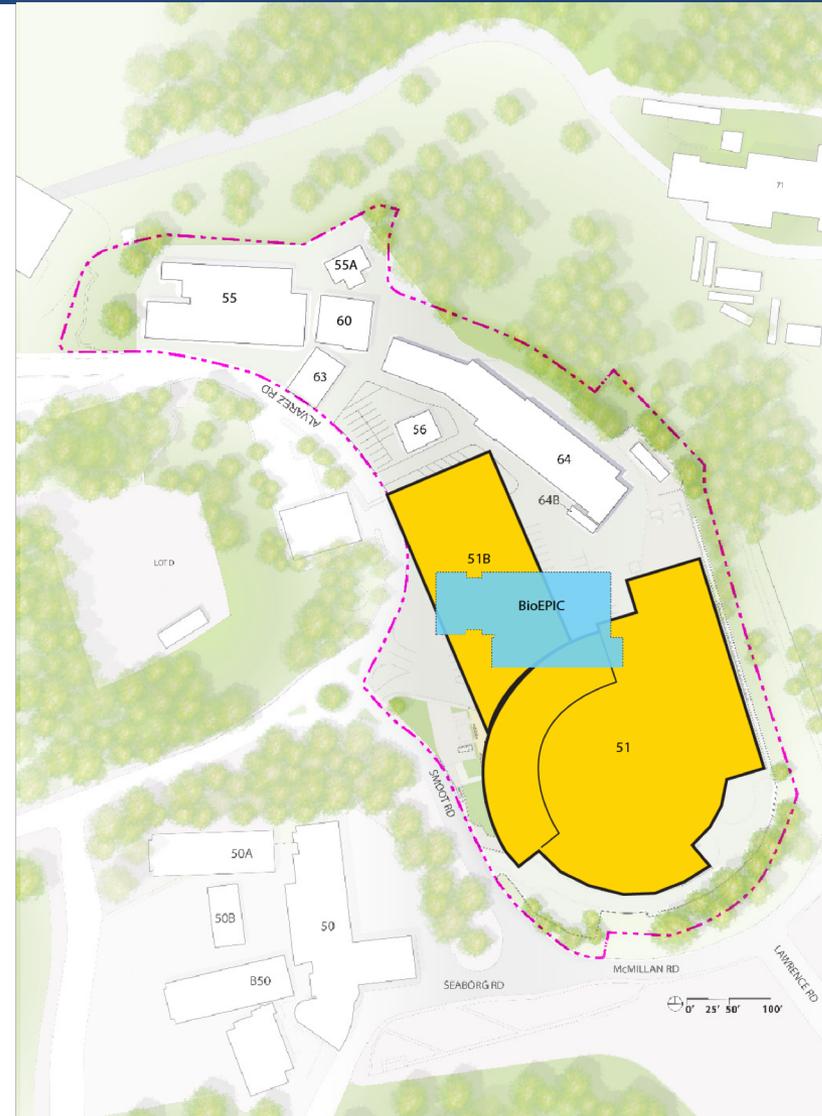
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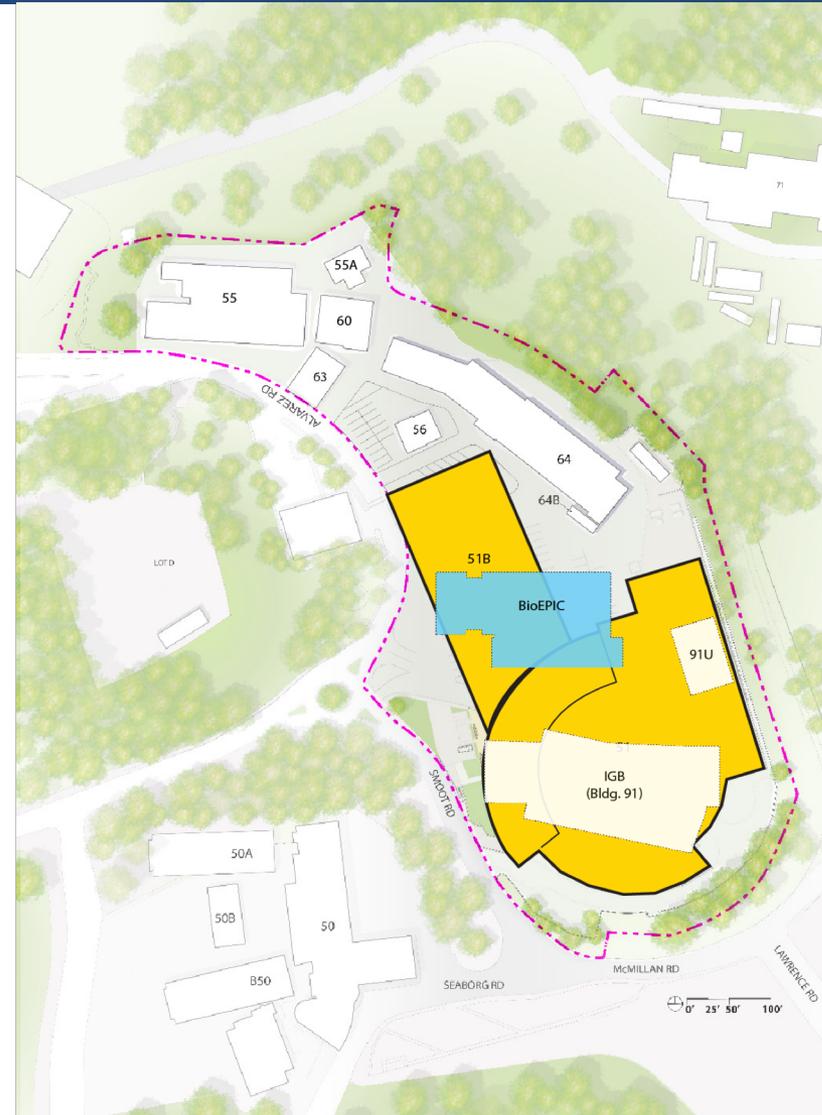
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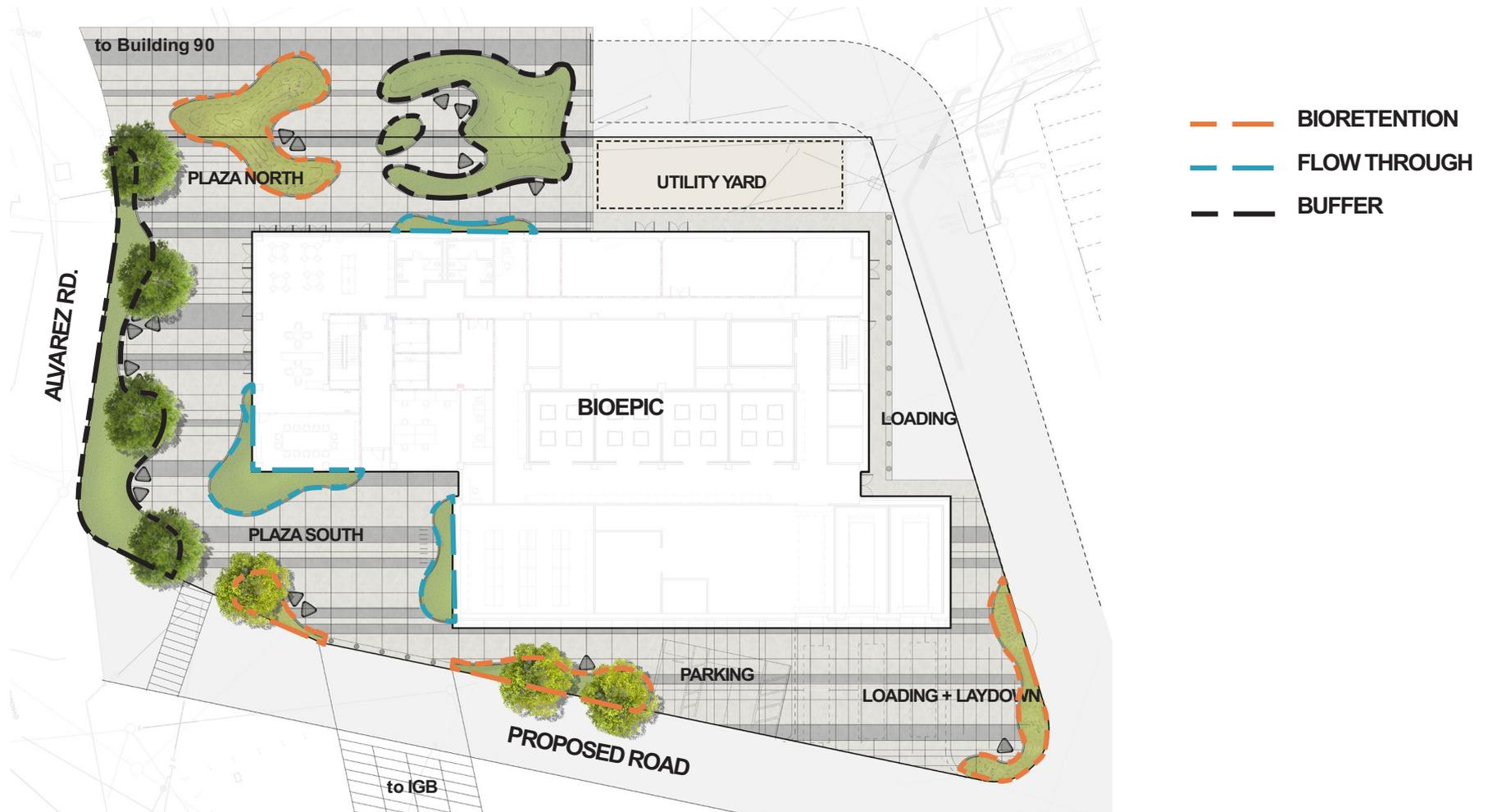
# Environmental Analysis

## Environmental Analysis

# Environmental Analysis: Operations

- **Biological resources**
- **Water quality**
- **Transportation and traffic**
- **Utilities and sustainability**
- **Aesthetics / visual quality**

# Environmental Analysis: Operations

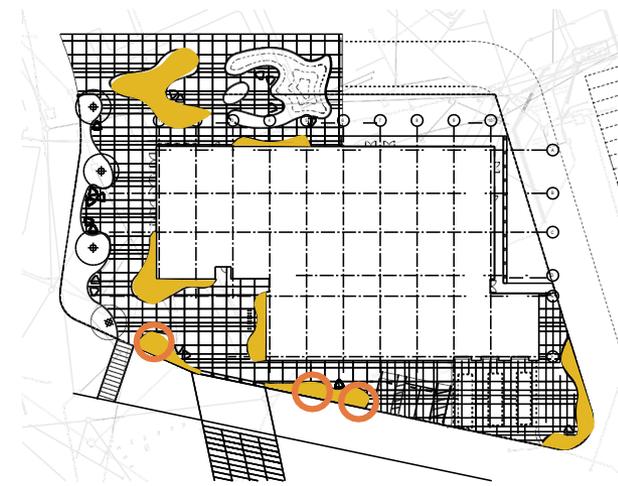


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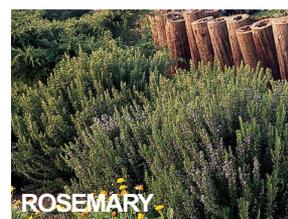
## PLANTING

### BIORETENTION & FLOWTHROUGH PLANTING

#### TREES AND SHRUBS



#### PERENNIALS & GROUNDCOVER



#### GRASSES

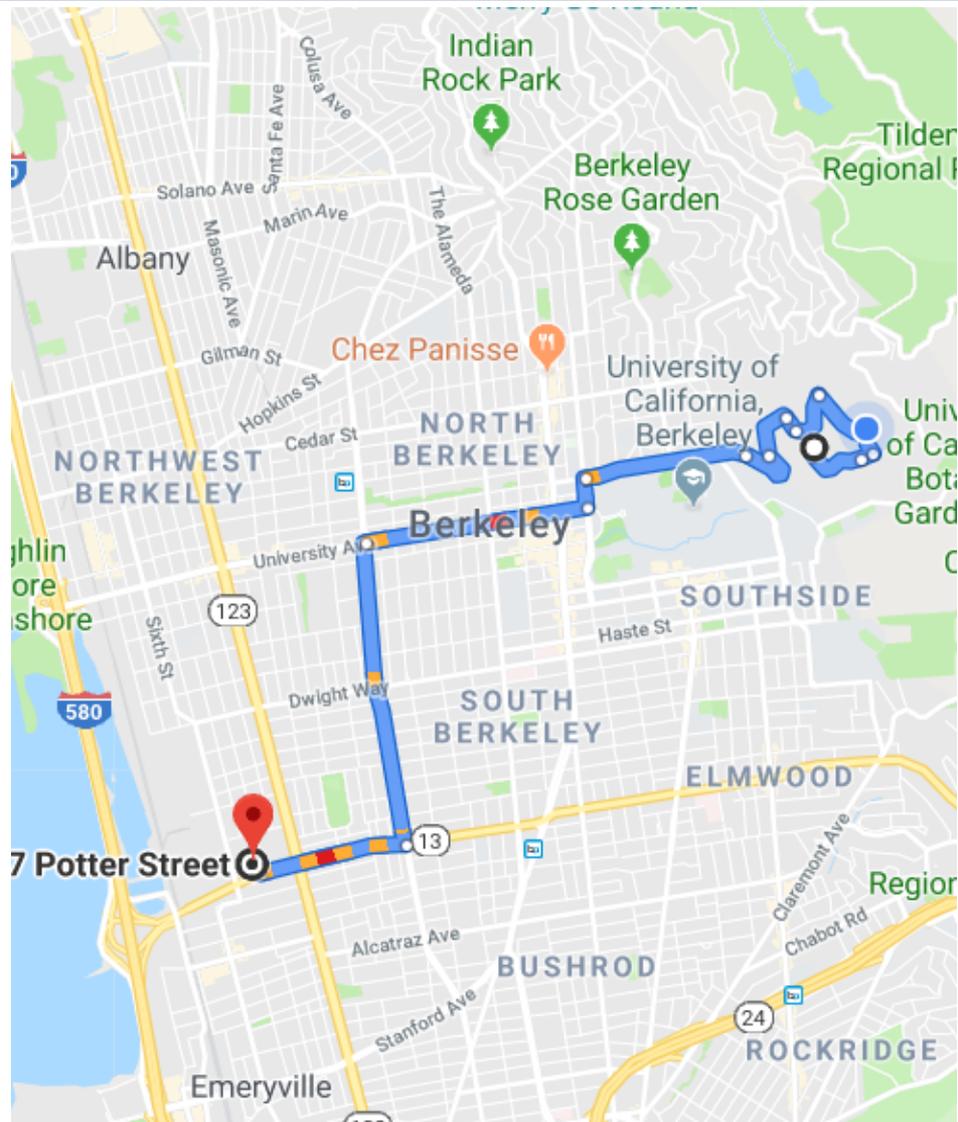


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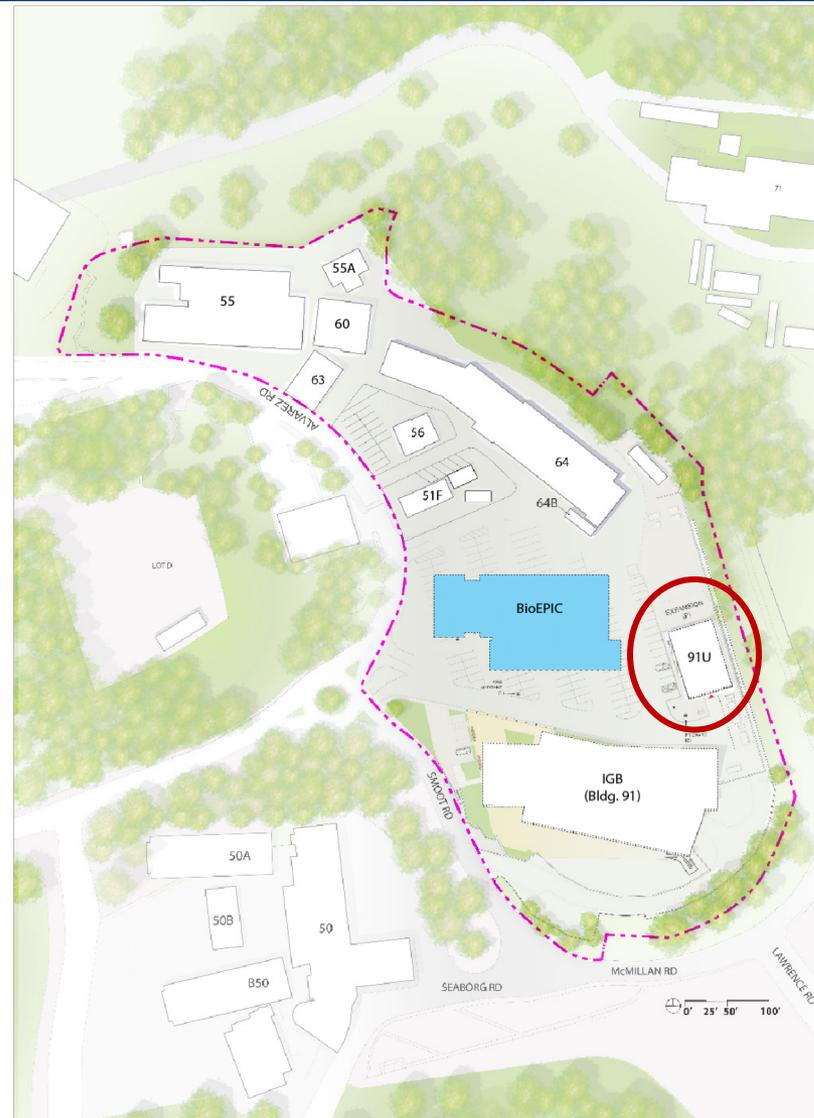


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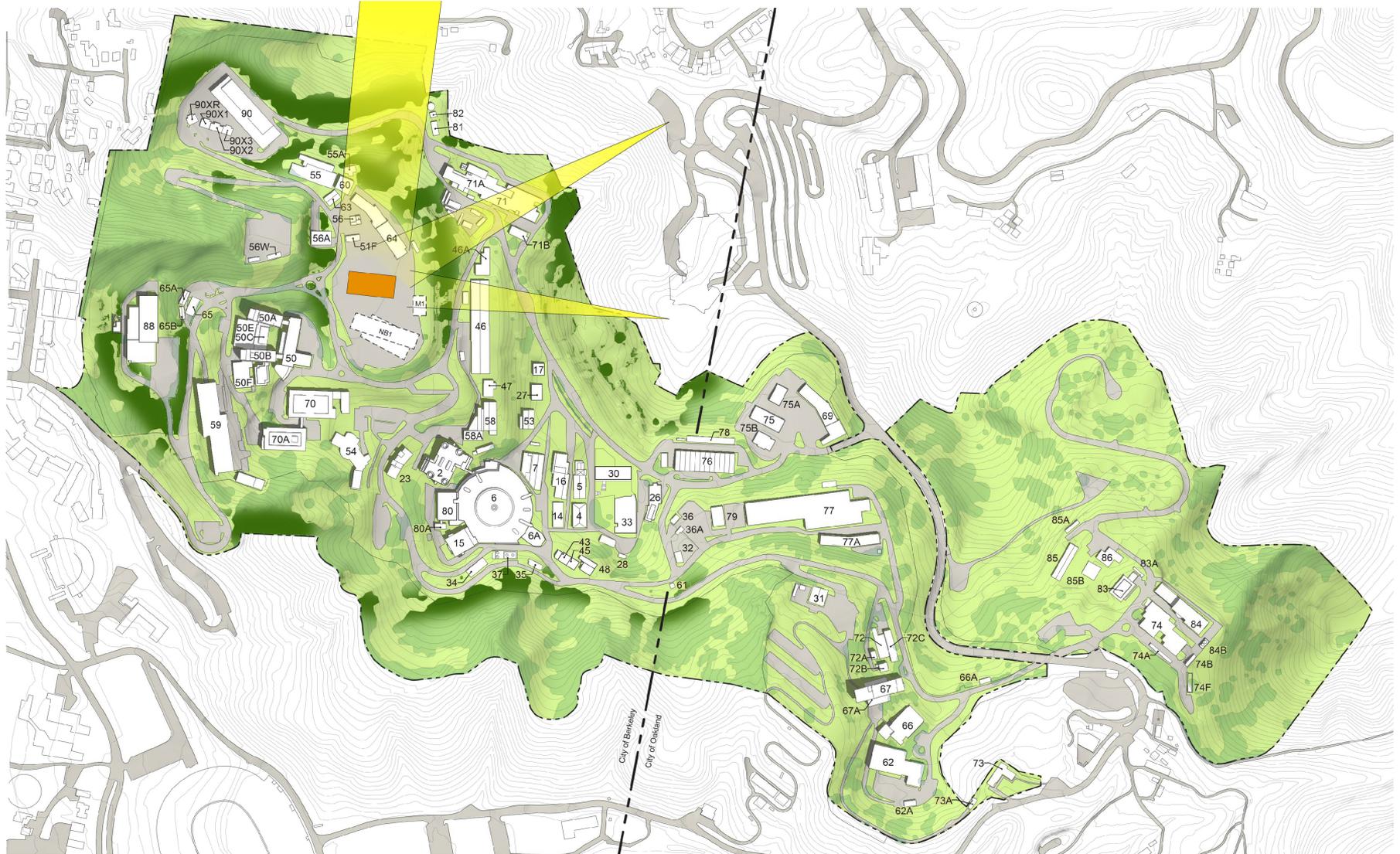
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# Environmental Analysis: Operations



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# Environmental Analysis: Operations



# Environmental Analysis: Construction

- **Mitigation monitoring and best management practices**
- **Air quality management**
- **Stormwater controls**
- **Truck trip management**
- **Noise monitoring**

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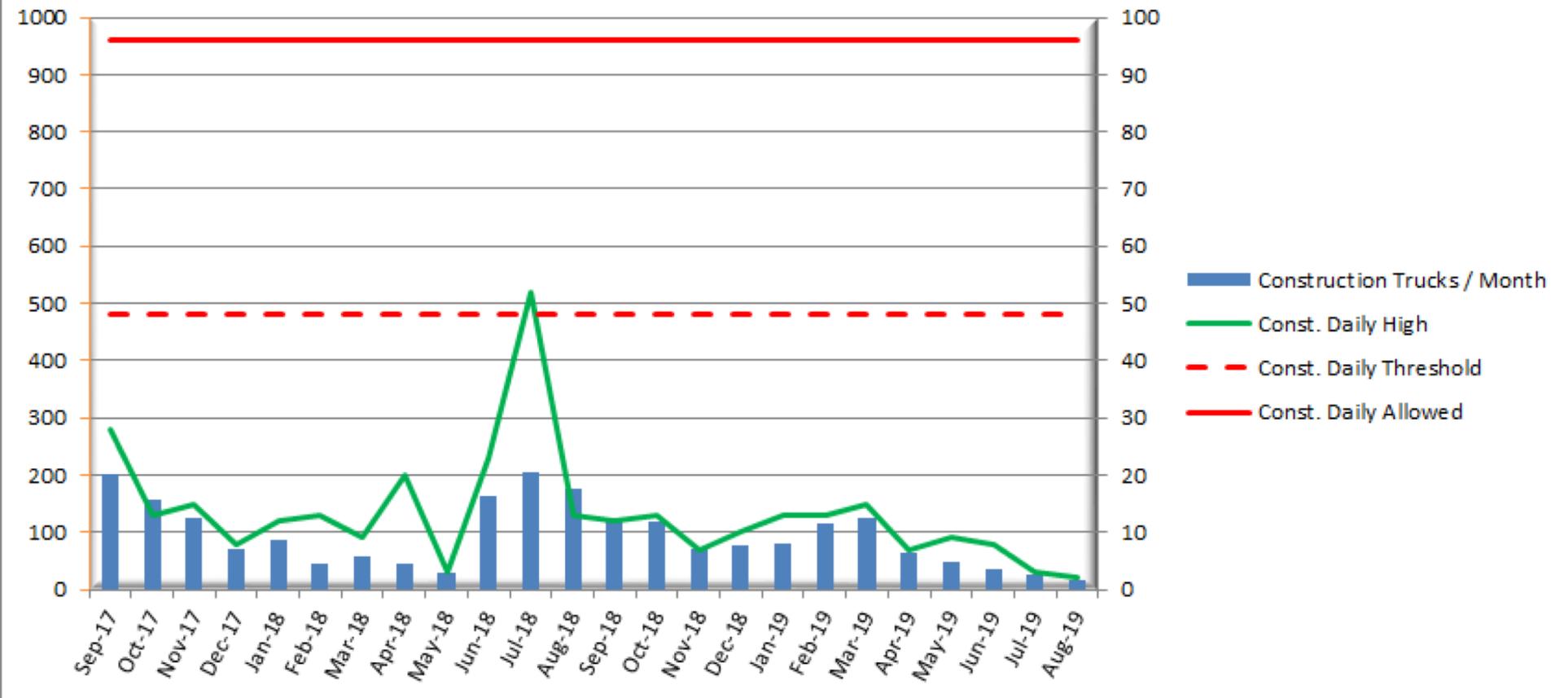


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# Environmental Analysis: Construction

## LBNL Construction Truck Traffic



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- Air quality management
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- **Noise monitoring**

# Environmental Review

**Similar to IGB review and approvals:**

## **NEPA**

- **February 2019 DOE decision**

## **CEQA**

- **November 2019 UC Regents decision**

# Questions?